RxFtp Class

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Introduction

Why an RxFtp Class?

- IBM was not able to provide the source for the RxFtp.dll
- A replacement was needed
- C or Object Rexx?
- A class would make a great Object Rexx example

RxFtp Class Development Goals

- The class should have a similar architecture to the DLL
- DLL functions and class methods should map one-to-one
- Methods should return the same return codes as the functions
- Use arrays instead of stems for returned data
- Use the RxSock.dll for sockets access
- Contain the connection to the server within an instance of the class thus allowing connections to multiple servers
- Make the code readable by non-FTP experts

Benefits of an Object Rexx RxFtp Class

- The class is platform neutral
- The connection to an FTP server is completely encapsulated
- The methods can be spun off as threads
- The class can be extended/modified via subclassing
- The source code is easily changed/fixed/tested

RxFtp Public Methods

- FtpAppend
- FtpChDir
- FtpDelete
- FtpDir
- FtpGet
- FtpGetMode
- FtpGetType
- FtpLogoff
- FtpLs
- FtpMkDir
- FtpPut
- FtpPutUnique
- FtpPwd
- FtpQuote
- FtpRename
- FtpRmDir
- FtpSetMode
- FtpSetType
- FtpSetUser
- FtpSite
- FtpSys
- FtpTrace
- FtpTraceLog
- FtpTraceLogoff
- FtpVersion

No support for FtpProxy.

Additional RxFtp Public Methods

CmdResponse
> An array of all the commands sent to the FTP server and their corresponding responses. This is a complete record of all activity between the server and the client.

CR_Remove
> Boolean which determines if CR characters are removed from files recieved from the FTP server. Valid only on Unix clients.

Debug
> Boolean which determines if debug messages are displayed.

FtpErrno
> An error string. This attrribute is reset to a new value during each public method invocation to the class. Analagous to the old FTPERRNO variable.

Response
> An array of the responses from the FTP server from the last command sent.

RxFtp Class Test Suite

Test Suite Requirements

- ASCII and binary send/recieve types
- Active and passive send/recieve modes
- Code a test for each method
- Get the Rexx community involved in the test process
- Try for a wide range of clients and servers

RxFtp Class Test Suite

Call for ooRexx RxFtp Class Project Help

How You Can Help

- Open SourceForge bugs against the class
- Propose or write new methods
- Write new examples
- Volunteer a test environment